Kodiak Harbor Response, ACH-03

Center of map at 57° 46.92' N Lat., 152° 24.84' W Lon.

Legend Map & Photo

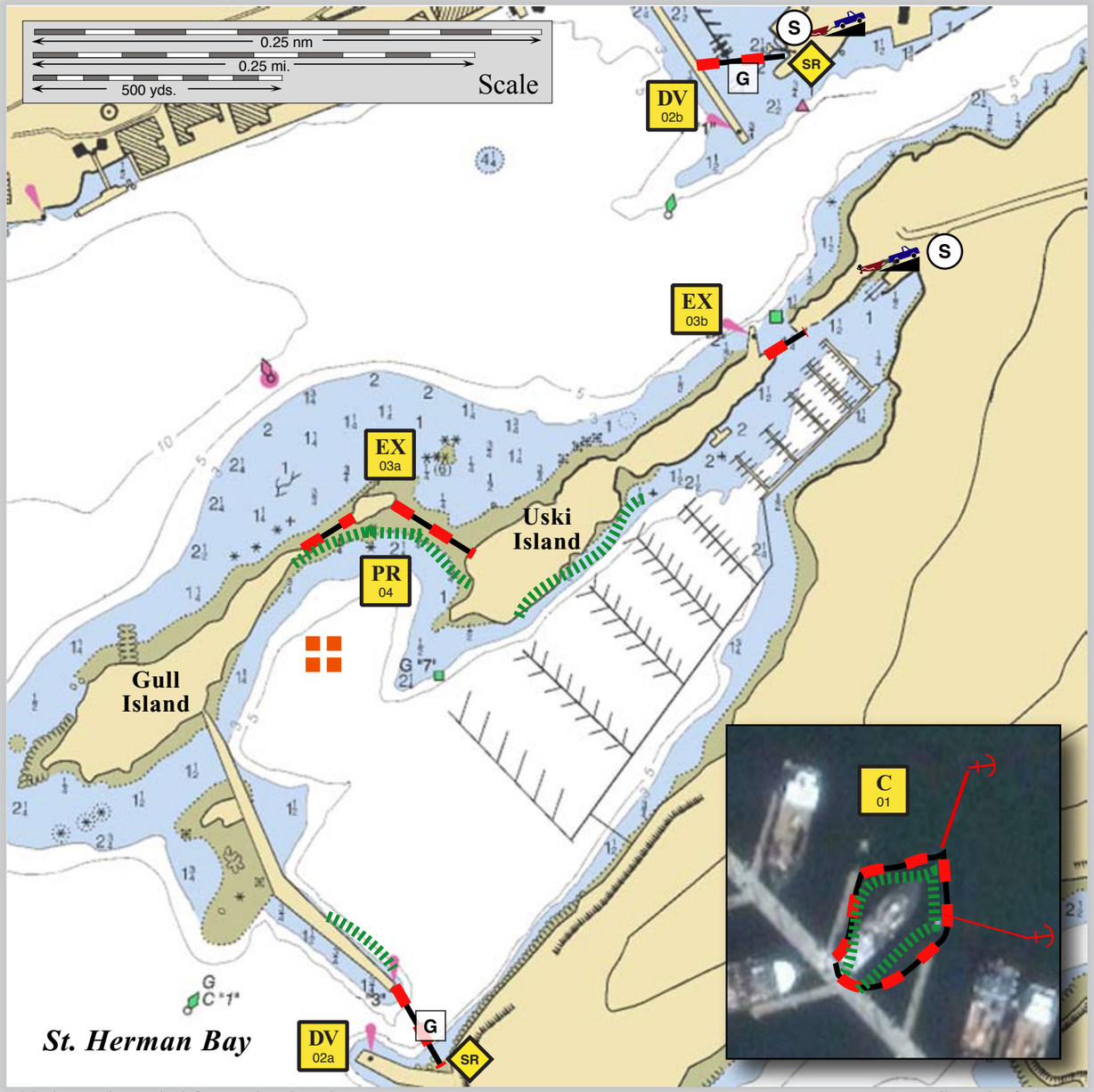
St. Herman Harbor viewed from the northeast .

St. Herman Harbor viewed from the northeast.

Kodiak Harbor viewed from the northwest.

- EX — Exclusion Booming
- DV — Diversion Booming
- PR — Passive Recovery
- C — Containment Booming
- Calm-water Boom
- Passive Recovery Boom
- SR — Shoreside Recovery
- G — Gate
- Anchor
- S — Staging Area
- Boat Launch
- Seal Haulout

Alaska Clean Harbor Strategies for Kodiak Subarea



This is not intended for navigational use.

Soundings in fathoms

February 16, 2009

DRAFT This tactic map is a working draft being used to develop a Geographic Response Strategy at this location. The tactics represented here have not been approved by the Subarea Committee and should not be considered final. If you have questions or comments please contact us by email at contact@nukaresearch.com.

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ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
ACH-GRS KOD-01 C	**Kodiak Harbor** This strategy should be implemented around a vessel that has sunk or is in danger of sinking in the harbor. It is deployed as after the scene has been determined to be safe from hazards.	**Containment** Contain oil near the source to reduce impacts to the harbor and nearby environments.	Deploy anchors and boom with skiffs. Using anchors and structures on the floats, place protected-water boom around the vessel to contain the oil. Be aware and compensate for currents and tidal range that may move oil underwater and away from the vessel. Additional sorbent boom and/or pads may be placed inside the protected-water boom to recover oil. Replace as necessary. If a significant amount of oil is collecting within the boom a recovery system may be established on the dock. Be aware of the dock stability with the additional weight of oil and water. The use of overpack drums and smaller collection containers is recommended to facilitate easy transportation off the floats. Tend throughout the tide.	**Deployment** **Equipment** Estimated protected water boom as 3x vessel length Sorbent boom or pads 3 small anchor systems 1 shoreside recovery system (if necessary) **Vessels** 1 skiff class 6 **Personnel/Shift** 2 vessel crew/general tech 2 skilled techs **Tending** **Vessels** 1 skiff class 6 **Personnel/Shift** 2 vessel crew/general tech 1 skilled tech	Parking area at the top of the boat ramps in either harbor depending on spill location.	Via marine waters Chart 16595-1	Marine mammals-seals, sea lions, otters Human use- commercial and recreational harbor	Vessel master should have local knowledge. Harbormaster-486-8085 The City of Kodiak maintains a Community Response Agreement with the Alaska Department of Environmental Conservation (ADEC). Site surveyed: 05/23/08. Tested: not yet
ACH-GRS KOD-02 DV	**Kodiak Harbor** **St. Herman** a. Lat. 59º26.31 N Lon. 151º43.07 W **St. Paul Harbor** b. Lat. 59º26.14 N Lon. 151º42.76 W	**Divert and Collect with Gate** Divert oil to the shore-side collection areas at the bottom of the boat ramp and at the southern edge of the harbor.	Deploy anchors and boom with skiffs in the harbors that the spill has occurred. Place protected-water boom at a proper angle to divert incoming oil to the recovery site. Establish a gate in the array to facilitate access to the harbor. Set up shore-side recovery and begin operations on the outgoing tides. Boom Lengths: a. 450 ft. b. 400 ft.	**Deployment** **Equipment** 850 ft. calm-water boom 4. small anchor systems 8 anchor stakes 1 shoreside recovery system **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01 **Tending/** **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01 **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01	Parking area at the top of the boat ramps in either harbor depending on spill location.	Via marine waters Chart 16595-1	Same as ACH-KOD-01	Vessel master should have local knowledge. Take appropriate measures as outlined in the STAR manual to protect the shore-side collection site. Tested: not yet
ACH-GRS KOD-03 EX	**St. Herman Harbor** a. Lat. 57º46.94 N Lon. 152º24.53 W b. Lat. 57º46.81N Lon. 152º24.99 W c. Lat. 57º46.80 N Lon. 152º25.13 W	**Exclusion** Exclude oil from leaving St. St. Herman Harbor.	Using skiffs, place calm-water or harbor boom across the entrances to the harbors. Tend throughout the tide. Boom Lengths: a. 250 ft. b. 450 ft. c. 250 ft.	**Deployment** **Equipment** 950 ft. calm-water boom 4 small anchor systems 12 anchor stakes **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01 **Tending/** **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01	St. Herman Boat ramp and parking lot.	Via Dog Bay Road. Chart 16595-1	Same as ACH-KOD-01	Vessel master should have local knowledge. The City of Kodiak maintains a response connex at the top of the boat ramp. Contact the harbormaster for access. Tested: not yet
ACH-GRS KOD-04 PR	**Kodiak Harbor** Determined by slick movements.	**Passive Recovery** Place passive recovery boom or line prior to the oil impacting rip rap and other structures in the harbor.	Monitor the slick and place passive recovery systems on rip rap or other structures prior to impact. Replace as necessary to maximize the recovery.	**Deployment** **Equipment** Snare line or sorbent boom determined by the amount of oil and surface to be protected. **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01 **Tending/** **Vessels/ Personnel/Shift** SAME AS ACH-KOD-01	Parking area at the top of the boat ramp.	Via marine waters or harbor floats system Chart 16595-1	Same as ACH-KOD-01	Vessel master should have local knowledge. Use snare line for persistent oils and sorbent boom for non-persistent oils. Tested: not yet

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Kodiak Island Sub-Area Contingency Plan: www.akrrt.org/Kodiakplan/KodiakPlanTOC.shtml